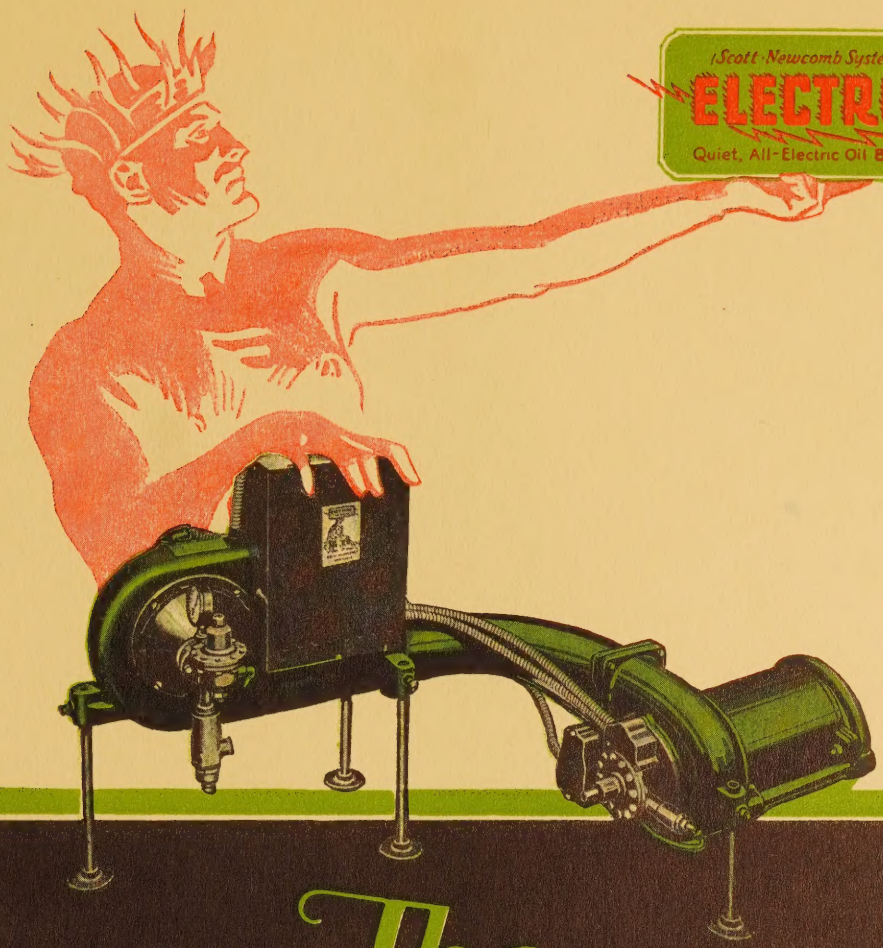
(Scott-Newcomb System)

ELECTROL

Quiet, All-Electric Oil Burner



The MASTER FURNACE MAN

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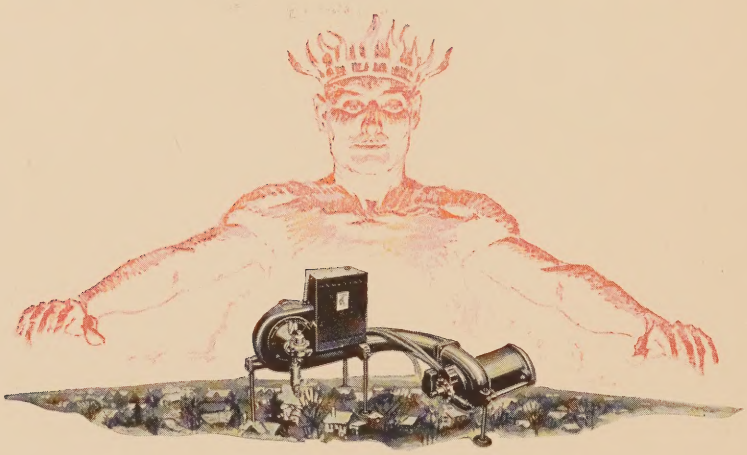
The MASTER FURNACE MAN

USEFUL INFORMATION
REGARDING
AUTOMATIC OIL HEATING AND
ITS APPLICATION TO THE HOME
AS EXEMPLIFIED BY THE
PIONEER ALL-ELECTRIC
OIL BURNER
OF AMERICA

ELECTROL INCORPORATED
170 Dorcas St., St. Louis, U. S. A.



Copyright, 1928
Electrol Incorporated

AUTOMATIC HEATING

A Modern Contribution to the Comfort of the Home

OBVIOUSLY, the most desirable method of heating the home is that which relieves the home-owner and his family of all thought and responsibility connected with the process; in other words, automatic heating. And of the several methods of automatic heating yet developed the one that employs oil as fuel is in most universal use because of its efficiency and economy in operation. Oil heating has been brought to a high state of perfection and its advantages are being enjoyed in hundreds of thousands of homes today. In such homes the heating of the house has become so unobtrusively efficient and self-regulating, through automatic control, that the care of the furnace no longer plays any part in the life of the household.

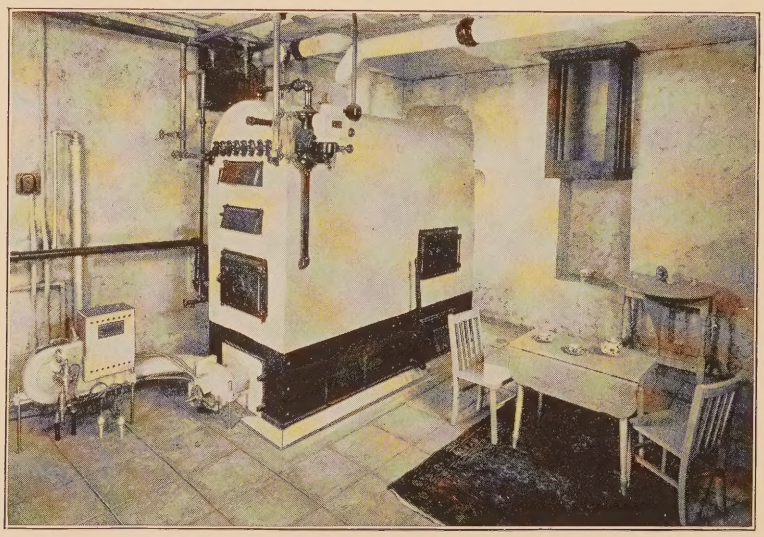
Those who have once enjoyed the consistently even temperature and care-free warmth provided by automatic oil heating would part with any other of the modern home conveniences before they would part with their oil burner.

The Essentials of an Oil Burner

OIL, to be burned most efficiently, must first be atomized, then mixed with air, and consumed in suspension. An oil burner is neither more nor less than an appliance designed to accomplish these three ends. It follows, then, quite logically, that the measure of satisfaction to be derived from using oil as a heating fuel depends upon the ability of the burner to perform these operations efficiently, assuming, of course, that the burner has been properly applied to the boiler and correctly installed, which are most important considerations.

An automatic oil burner is *automatic* only in proportion to the extent and performance of its controls. Its immunity from any miscarriage of its orderly operation depends upon the nature and reliability of its controlling and safety devices.

Fire insurance companies recognize the safety of modern oil burners. They do not increase the insurance rates in homes equipped with them. In fact, a prominent fire prevention expert and former president of the National State Fire Marshals Association has stated that fully automatic burners, using the better grades of fuel oil, actually reduce the fire hazard as compared with coal. With oil there are no hot ashes to handle and no sparks to ignite chimneys or roofs.

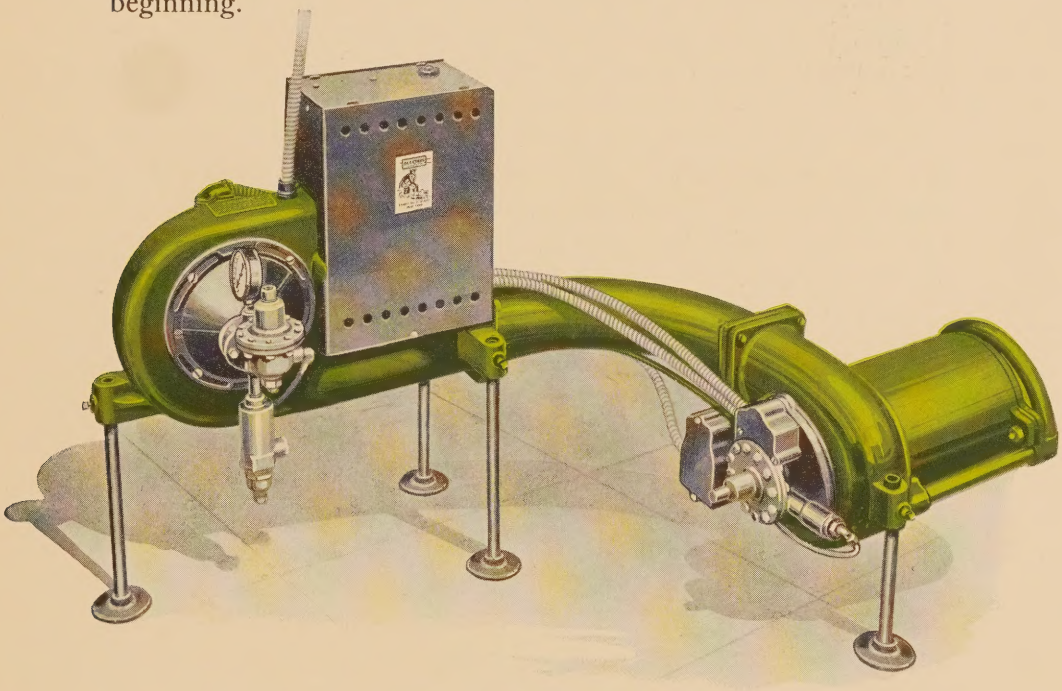


Automatic oil heating gives new names and new uses to hitherto unbearable basements.

THE ELECTROL ALL-ELECTRIC AUTOMATIC OIL BURNER

THERE are many different types and makes of oil burners on the market today. Only a very few of these are endorsed and listed as "Standard" by the Underwriters' Laboratories, Inc. Among the first listed was the Electrol Oil Burner—the first burner ever produced having electric ignition.

This burner has long been recognized as a standard of perfection and efficiency. It does exactly what an automatic oil burner should do. It heats the home efficiently and automatically. It heats the home economically. It continues to carry out its functions smoothly, flawlessly and silently over a long period of faithful service. Today it represents the most advanced step in oil burner development. And this is due to certain fundamental features that have been built into it from the very beginning.



MODEL T ELECTROL OIL BURNER

The Organization Behind the Electrol Oil Burner

NO consideration is of greater importance to the prospective purchaser of an oil burner than that of the organization behind it, its engineering staff, its methods of production and marketing, its commercial and financial stability. No one wants to purchase an oil burner that is not fundamentally sound in principle, nor is it a wise policy to purchase a burner from a manufacturer whose continuance in business is problematical.

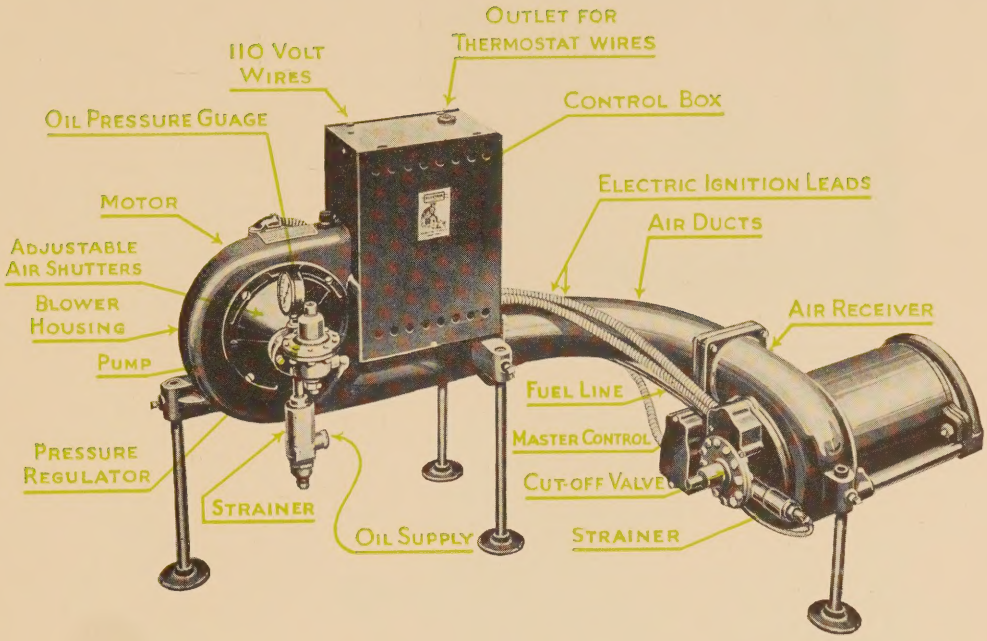
The engineers responsible for the design and construction of the Electrol burner were pioneers in the industry.

After many years of extensive research the methods of control embodied in the Electrol have never been equaled. The Electrol Automatic was the first burner to perfect and adopt electric ignition and all-electric operation. Every desirable feature, many of the more important being original and exclusive, are intrinsic parts of this ideal heating appliance.

Electrol Incorporated, manufacturer of the Electrol Oil Burner, is soundly financed and conservatively managed. Its sole business is the manufacture of Electrol Oil Burners. Its future is assured. The men comprising this organization have devoted many years of their lives to the perfection and production of a burner that will not only fulfil but even surpass one's highest expectations; a burner that can be absolutely relied upon to do the work for which it was intended, the efficient automatic heating of buildings.

The Electrol organization is today nation-wide. Electrol burners are giving satisfactory heating service in practically every city in the country, and hundreds of Electrols have been serving their owners continuously for more than six years.

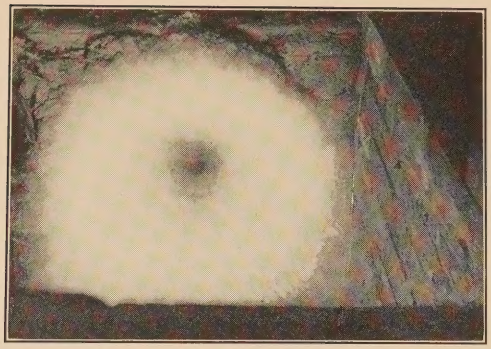
A detailed examination of some of the basic features of the Electrol will prove of profit to the reader. Let us consider, for example, the Electrol method of oil burning.



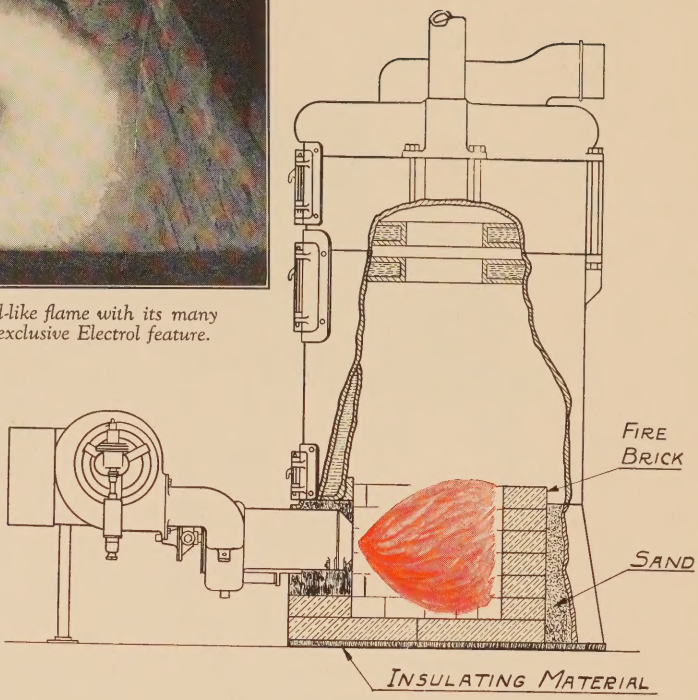
Electrol Method of Oil Burning

THE oil is drawn from the oil tank by a motor-driven pump and forced under pressure through a very small hole in a scientifically grooved nozzle. As the oil leaves the nozzle, in which there are no moving parts, it is atomized, broken up into fine particles, by the sudden release of the pressure on it. This atomization is further increased by the construction of the nozzle, which gives the expanding oil a rotary motion, forming the released atomized oil into a cone-shaped mist.

At this point a rapidly counter rotating current of air strikes the oil cone at an angle and thoroughly combines with the oil mist. This oil and air mixture is then ignited by a continuous electric spark, producing a short, ball-like, whirling flame, held in proper suspension. This occurs in a refractory chamber, built to the boiler or furnace, which prevents loss of heat and thus maintains complete combustion and permits the clean hot gases to circulate through the heating sections of the boiler.



(a) The short, ball-like flame with its many advantages is an exclusive Electrol feature.

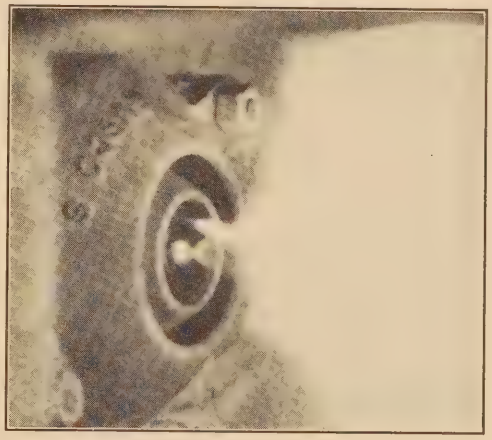


(b) The Electrol method prevents contact of flame with cold surfaces of boilers and assures a silent, odorless and complete combustion.

The Electrol method prevents the contact of the flame with the cold surfaces of the boiler which would retard combustion and result in the formation of carbon or soot in the fire-box. Every Electrol dealer is thoroughly competent to install the burner so that perfect combustion is assured. The round, ball-like, spinning flame is decidedly an Electrol achievement. It makes for a silent, odorless and complete combustion.

Electrol engineers discarded from the very beginning the idea of a long, straight flame, which has a tendency either to allow a great deal of heat to escape up the flue, or to retard combustion by impinging on surfaces of a lower temperature with consequent loss of efficiency. The exclusive Electrol method of introducing air to the mixture in a rotating current is unsurpassed in effectiveness. Extreme quietness of combustion is the assured result, plus a flame held in ideal suspension. And this naturally leads us to the Electrol method of ignition.

EARLY in its development the inventors and designers of the Electrol decided that if they were to offer the safest method of igniting the oil, the burner's ignition system would have to operate continuously during the operation of the burner. They immediately rejected the intermittent electric spark because of its potentiality for trouble. So small an amount of electric current is used for the spark, that the difference between continuous and intermittent spark has no practical effect on the cost of operation. Continuous ignition by means of a gas pilot was also considered and discarded because gas is less susceptible to control than electricity and must be burned steadily, whereas the oil burner itself, with its electric ignition, is in operation only a part of the time, in fact, only about 1,000 hours of the 5,000 which make up the season when heat is required.



The continuous electric arc produced by the electrodes is blown by the air current into the oil mixture—giving positive ignition.

Therefore continuous electric ignition was specially evolved for the Electrol. The Electrol method of ignition is the logical outcome of many years of actual field tests. It is in no sense an innovation. So far it has never been equaled. This method was first employed on the Electrol and has set the standard of ignition efficiency. Electric ignition has not only proved to be the most efficient method of igniting the oil, but it is also more economical than gas, because the electric spark is only used when the burner is in operation, while the gas must be on every hour, day and night of the heating season.

Owing to the construction of the Electrol ignition system, the electrodes are never in contact with the oil and are thus not subject to fouling by carbonization. The electric arc produced by the electrodes is blown by the air current into the oil mixture, which is instantly ignited. The electrodes are also

constantly cleansed by a steady draft of air. They are always free from foreign substances, and their efficiency is never impaired. Their continuous action assures constant ignition, which is essential for complete dependability.

Therefore, in every essential, in the method of atomizing, vaporizing and igniting oil, the Electrol Automatic clearly demonstrates its fundamental correctness.

The Electrol, besides being tested and listed as "Standard" by the Underwriters' Laboratories, Inc., bears their label and has passed the requirements of every State having oil burner regulations, and has been approved by the New York Board of Standards and Appeals. Electrol Incorporated is a member of the Oil Heating Institute, pledged to maintain the high standards of manufacturing practice and business conduct established by that association.

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Completely Automatic in Action

ELECTROL is completely automatic in actual operation. For the sake of clearness, let us consider its automatic controls under two separate heads:

a—The heat or thermostatic controls

b—The safety devices.

The heat, or thermostatic, controls are so sensitive as to respond with more than human keenness to any fluctuation in the temperature. A thermostat in the hall or living-room set at the desired temperature, usually 70° F., serves to start or stop automatically the operation of the burner, depending on whether the temperature goes below or above 70° F. Once the thermostatic control has been set at the desired temperature, the householder can completely dismiss that consideration from his mind. His home will remain at that temperature regardless of all weather variations.

If, for any reason, as for example illness or other unusual condition, it is desirable to vary the house temperature, this can be done day or night without any other effort than the resetting of the indicator on the thermostatic control.

The Master Control

THE chief safety control of the Electrol is seated in a truly marvelous device, an exclusive feature known as the Master Control. This unfailing guardian is actually built into the burner itself, is an inherent part of it and is, consequently, protected against outside influences, individual installation or special adjustment. It is the heart and brains of the burner, and its safest and strongest point. On many other burners the safety control is a separate part, subject to special adjustment. Sometimes it is even located in the flue itself. Not so with this exclusive Electrol feature. The Master Control is a part of the burner. With unfailing dependability it operates instantly and conclusively in any one of a number of contingencies which might, but rarely do arise. It is swift to perceive the slightest irregular or unusual conduct in the operation of the burner, and to act against it.

For example, it serves as a safeguard against the following conditions:

Retarded fuel delivery caused by line or strainer stoppage.

A break in electric wiring, short-circuiting, or failure of ignition.

Any condition that prevents the motor from maintaining its normal speed.

Operation of burner when oil tank is empty.

Presence of water in oil tank.

With an Electrol burner properly installed it is rare indeed for any of these conditions to arise, yet the mere presence of the Master Control on the burner means much to the peace of mind of Electrol owners.

The Electrol either functions correctly or the Master Control prevents it from operating at all. The Electrol owner is protected against the possibility of mischance of any nature. This is another example of Electrol thoroughness in conception and design.

Durable Trouble-free Service

ONE of the requirements of an oil burner, as we have said, is that it should be durable, should continue to operate efficiently over a long period of service. The Electrol more than satisfies this requirement.

One of the factors that contributes to the durability of the Electrol is its extreme simplicity. It has been stripped of all superfluous details, gadgets and contraptions that give such a brave appearance to some other burners, but which, in the final analysis, mean nothing but complications and possible trouble.

An examination of the Electrol burner itself will demonstrate its almost disappointing simplicity. There is nothing to "monkey with" or to take apart.

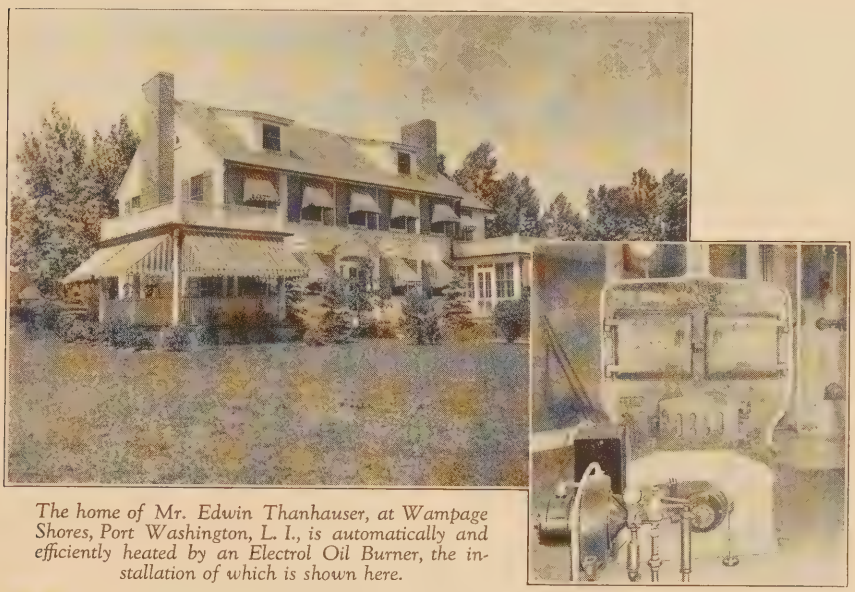
There is but one motive part on the Electrol, the motor shaft. This carries the pump and fan, and comprises the entire mechanism, exclusive of controls. One adjustment of the air supply is made when your Electrol is installed. After that there is nothing to be watched or regulated.

Another factor contributing to the remarkable durability of the Electrol is the quality and character of the materials used in the burner. Altogether, thirty-one separate and distinct materials contribute to the making of an Electrol automatic, and in every case the manufacturers have selected the material which would give the longest life to the machine, regardless of cost. The materials used were chosen only after exhaustive research and years of practical testing had proved them to be best suited for the purposes for which they were intended. For example, the flame director is made of *nichrome alloy*, an expensive metal. This is used to withstand high temperature and is practically indestructible. Certain parts of the Master Control are made of German silver because in this use it has been found that this alloy resists corrosion better than any other material.

Every bolt, nut and screw used on the burner is *Udylited* to guard against corrosion. There is good reason for the householder to regard the Electrol as a permanent investment in heating comfort and satisfaction.

The final factor in Electrol durability, and also in Electrol efficiency and smoothness of operation, is the series of rigorous

tests and inspections to which each burner is subjected before it leaves the factory. These tests are thorough and searching. Each part of the burner is tested individually over a long period of hours, after which the assembled machine is placed in actual operation and every part of it rechecked for the slightest defect. These tests and examinations assure the highest standards of perfection in each burner. Furthermore, the Electrol is shipped to the dealer completely assembled and ready to be installed. This further eliminates any possibility of error in the setting up of the burner itself. Even to the detail of packing the burner its manufacturers are thorough and unsparing of expense. The best and the toughest of gumwood is used and the burner is so solidly boxed that it can suffer no internal injury, not immediately detectable, even should the box receive the severest handling.



The home of Mr. Edwin Thanhauser, at Wampage Shores, Port Washington, L. I., is automatically and efficiently heated by an Electrol Oil Burner, the installation of which is shown here.

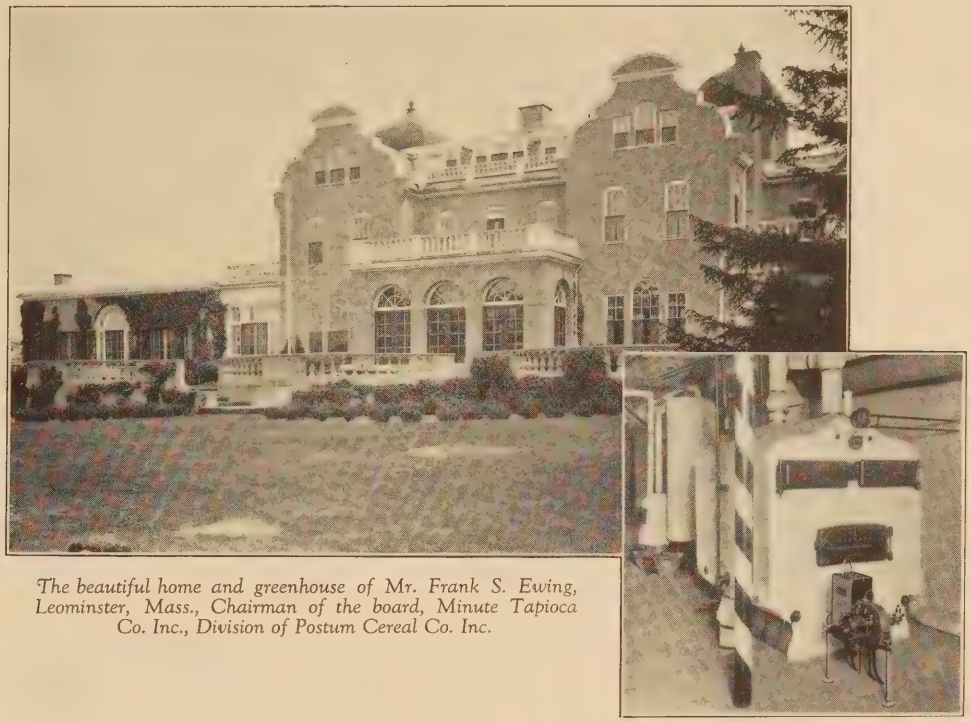
The Economy of Heating by Oil

BEFORE this point is taken up one important fact should be clearly understood. That fact is: with the installation of an automatic oil heater you secure more than simply a heating system. With an Electrol Oil Burner you enjoy without effort the correct temperature at *all times*, late at night and early in the morning, on unexpectedly cold days in the spring, summer and fall as well as in the dead of winter.

In the home of Mr. C. J. Kehoe of St. Louis, Mo., an Electrol Oil Burner is fulfilling its function of heating the home automatically, efficiently and economically. Note the compactness of the installation.

Your house is clear of coal soot and ashes, your cleaning expenses are appreciably cut. The doctor, no matter how charming his personality, will seek nourishment in other, less enlightened homes. All this for the simple reason that with an Electrol in your basement you will dwell in an even temperature which is friendly and sympathetic to everything save the sniffle and the common cold—a constant source of danger in irregularly heated homes which are subject to constantly fluctuating temperatures.

Generally speaking oil as a heating fuel can be used with an Electrol at a lower operating cost than coal. But in this connection it must be clearly remembered that with oil you will enjoy far greater heating comfort. Your home will be heated at the proper temperature late at night and in the early morning. In addition to this an Electrol will enable you to use your basement for a number of purposes—a gymnasium, den, billiard-room, workroom or playroom. All this at practically the same cost as solid fuel, which cannot give you the same advantages.



The beautiful home and greenhouse of Mr. Frank S. Ewing, Leominster, Mass., Chairman of the board, Minute Tapioca Co. Inc., Division of Postum Cereal Co. Inc.

Several factors contribute to the fuel economy of the Electrol. First is the construction of the burner itself; every part operating smoothly and undeviatingly without undue friction or waste of energy. The ignition system has been designed to produce the desired electric arc at the minimum of cost. Then again the Electrol method of burning oil assures the maximum of heat from the minimum of fuel. The Electrol controls are constantly checking the consumption of oil, and they are conscientious in their efforts. No fuel passes their well-guarded barriers unless the occasion justifies it.

Electrol is well able to burn all grades of oil suitable for automatic operation. It is listed by the Underwriters Laboratories to burn twenty-eight gravity oil, usually the least expensive that can be used efficiently with any automatic equipment. Your local dealer is familiar with the available grades of oil in your locality and will recommend the most suitable.

The well-known cartoonist, Fontaine Fox, enjoys Electrol automatic heat in his home at Roslyn Estates, Roslyn, L. I.

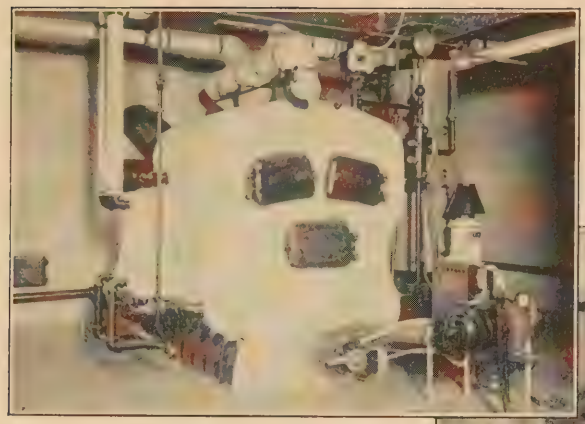
In Seattle, Washington, the home of Mr. Hamilton C. Rolfe, illustrated below, is heated with Electrol.

In Norfolk, Virginia, the attractive home of Mr. Alfred T. Page is heated with Electrol.

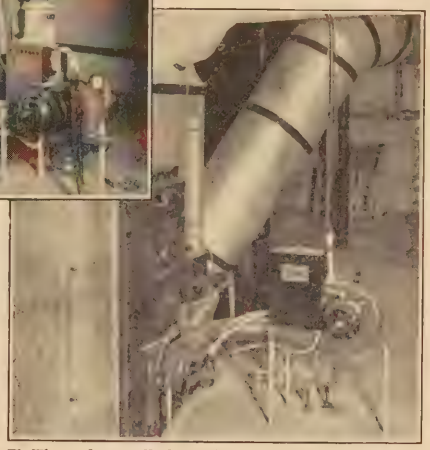
In Detroit, Michigan, an Electrol heats the home of Mr. V. Oldberg.

An Electrol for All Sizes of Homes

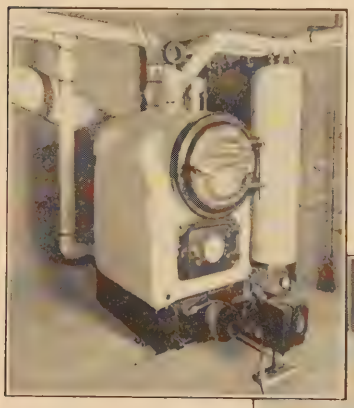
THE Electrol is being used today in the largest of homes throughout the country. It is also being used with equal satisfaction in the smallest of homes. Public buildings, schools, stores, churches and garages are Electrol heated. In other words, wherever there is a need for heat there is an Electrol adapted to fill that need efficiently, economically and lastingly.



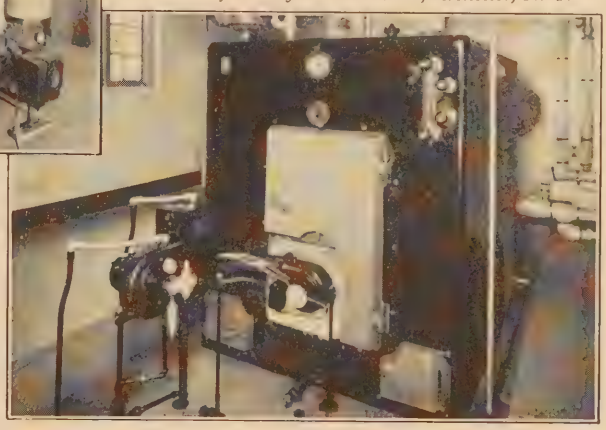
The illustration on the left shows Model T Electrol installed in the hot water heating system in the home of Mr. P. J. Reichhelm, Montclair, N. J.



Model T Electrol installed in the hot air furnace in the home of Mr. Lyndon H. Wells, Rochester, N. Y.



Electrol Model TJ is installed in the steam heating system in the home of Mr. Arthur A. Moore, Manhasset, L. I.



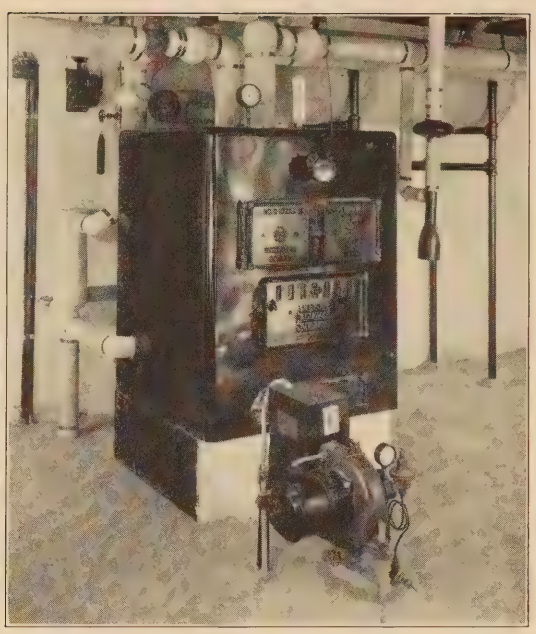
The illustration at the right shows Electrol Model T installed in the vapor heating system of Mr. Jack Stockard, Detroit, Mich.

An Electrol for All Kinds of Heating Systems

As Electrol is adaptable to all types and sizes of homes, so is it adaptable to all types of heating systems including warm air, and will work effectively providing the system itself is efficient.

It is designed to meet space limitations and to conserve space wherever possible, thus enabling the home-owner to enjoy a free, unencumbered basement.

Hot Water Heating Plant with Electrol Burner, with attachment for heating water for domestic use, showing valves which automatically cut off heating system when heat is not required for house. The attachment permits the same burner which heats the house to be used for domestic hot water heating, both summer and winter.



Domestic Hot Water

THE same Electrol that is used in the boiler to heat the house may also be utilized advantageously for the production of domestic hot water in both summer and winter. The extra equipment required is extremely simple and comparatively inexpensive. During the months of summer, when heat is seldom required, the Electrol maintains a constant supply of hot water at the minimum cost. No more heat is generated than is necessary to heat the water. The operation of the burner is limited to this sole purpose. At the same time your boiler is in useful service, which prevents the usual summer rusting, lengthening its life and thus saving more than the cost of operation. An Electrol burner may also be used with equally satisfactory results with a boiler whose only function is the heating of water for domestic use.

Electrol users have found that the generating of hot water for domestic use by the Electrol method is economical and is usually below the cost of gas. No forethought or effort is required and no excess heat or fuel wastage involved. Your water is automatically heated and maintained at the desired temperature. You enjoy an unfailing supply at the lowest cost.

Servicing the Burner

ALL oil burners deserve a certain amount of servicing or inspection, that amount depending on the design and workmanship of the individual make of burner. The Electrol once installed in your home requires the minimum of service, as Electrol owners will testify. In fact, one Electrol owner said that his burner had been in operation for more than two years and not once had he visited the basement. While this is highly gratifying from the manufacturer's point of view, it is hardly complimentary to the owner. No matter how faithful and dependable a machine may be, it deserves at least a little consideration in return for its satisfactory service. Regular inspection is advisable, and the better the burner the more it deserves courteous treatment. Some burners are as difficult to serve as a young colt is to saddle. They seem to avoid approach.

Some of their working parts are actually tucked away inconveniently in the fire box itself. Even the design of these burners is such as to complicate and discourage any attempt to serve and inspect them thoroughly.

The opposite holds true with an Electrol. Its very simplicity invites and aids inspection. No part of the burner is contained in the fire box. The burner is entirely outside the furnace and is so designed that all its parts are easily and immediately accessible. This is still another point in favor of an Electrol installation.

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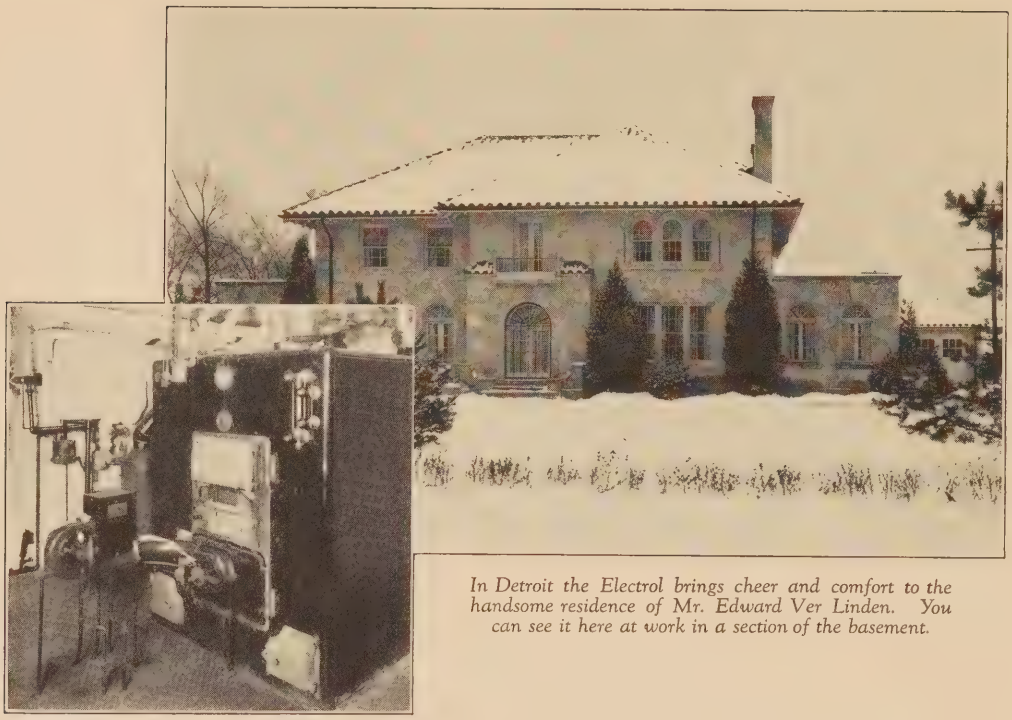
To Assure an Efficient Installation

SINCE proper installation is as important as the burner itself, the Electrol organization has laid down a policy of installation, a strict, constructive policy, and one to which each Electrol dealer adheres.

This policy protects not only the home-owner, but also the manufacturer. It assures the home-owner of the most effective and satisfactory results from his burner and it guards the manufacturer against erroneous criticism of the burner, which is not due to any fault in the burner itself, but to a faulty installation.

Before a dealer is permitted to sell an Electrol burner he must be able to make an efficient Electrol installation under every conceivable condition.



In Detroit the Electrol brings cheer and comfort to the handsome residence of Mr. Edward Ver Linden. You can see it here at work in a section of the basement.

He must have a firm grasp of the principles employed in the various types and makes of boilers and heating systems.

He must know the latest approved methods of oil burner installation.

He must have a comprehensive understanding of the controls necessary to insure completely automatic heating service.

He must have an equally comprehensive understanding of every part of his burner, the functions of each part, and how to adjust the whole and maintain it at maximum efficiency.

He must know the principles of oil combustion and particularly the manner in which they are employed in the burner.

He must be familiar with the different grades of fuel oil and be able to judge their adaptability to the equipment.

He must have a reputation for business ability and integrity and the financial ability to carry out the obligations of his business.

THE HADDAD MALL COMPANY
CONTRACTORS
CLEVELAND

May 16, 1928

The Cuyahoga Coal Company,
1235 East 38th Str.,
Cleveland Ohio

Attention Mr E. P. Marquard

Gentlemen

I desire to thank your Company for the very courteous service rendered me on my Electrol Oil Burner during the time I was in Florida this winter

While I was gone, about three months this burner was in constant operation, keeping the home comfortable at all times, without any attention whatever, outside of the fact that your Service-man stopped in once a week to see that everything was all right.

You know that at the beginning when you endeavored to interest me in oil burning equipment, I was not the least interested due to reports received from various users of other oil burning equipment, but after having your Electrol Burner in my home during the past heating season, I do not hesitate to tell you that our opinion on oil burners has been entirely changed, and today believe that we are as enthusiastic as any one could be knowing that your burner prompts one to realize that the heating problems in your home are entirely eliminated with the installation of an Electrol Burner.

I would be very pleased to recommend same to anyone you may refer to me, both as to the operation of the machine itself and the satisfactory service rendered by your Company

Yours very truly

H H Mall

The letter here reproduced is a clear indication of what Mr. H. H. Mall of Cleveland, owner of this picturesque residence, thinks of his Electrol Oil Burner.

He must have a keen realization of his responsibility to customers and of the importance of performing prompt and satisfactory service.

In short, the very fact that you select an Electrol for your home automatically assures you of an efficient, satisfactory and thoroughly intelligent installation. An Electrol dealer must be as efficient as the Electrol burner itself.

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Relative Values of Oil Burners

AUTOMATIC oil burners naturally vary in price, character of design and workmanship, and duration of usefulness. Generally speaking, you receive in service and satisfaction from your burner just about what you pay for it.

Practically all oil burners give more satisfactory heating service than can be had with solid fuel, but the degree of satisfaction and its duration to a large extent depend upon the character of the burner and the efficiency of its installation.

Many home-owners are content with mediocre oil heating service for the simple reason that they have never experienced the best, and therefore have no standard of comparison.

The difference in price between the best oil burner and one that "will do" is not an important consideration when considered in relation to the greater comfort, convenience and economy of operation the better burner affords.

The installation of an automatic oil burner should be regarded as a permanent investment in comfort, happiness and freedom from heating responsibility, and finally an investment in health itself.

Regarded in this light, its low servicing cost over a period of years and the business stability of the organization behind it, and taking all of the foregoing factors into consideration, sound common sense points to the selection of the Electrol, regardless of the size or type of your home.

The initial cost of an Electrol need occasion no hesitation. Like payments for the piano, radio or automobile, payments for the Electrol may be spread over a convenient length of time. Through this simple arrangement any home-owner is enabled to select the best oil burner rather than one of relatively inferior performance.

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The Master Furnace Man

WE have said that an automatic oil burner should heat the home properly; that it should heat the home economically, and that it should continue to perform its functions over a long period of service.

We have pointed out how and why the Electrol achieves these ends far beyond the expectations of the most sanguine home-owner.

We have explained the Electrol method of burning oil, given facts concerning its remarkable system of automatic controls and safety devices.

We have pointed out the simplicity of the machine itself, the quality of the materials in it and its integrity of manufactured inspection.

Finally, we have given you the qualifications of every Electrol dealer. In fact, we have done everything but actually demonstrate the burner itself, and this we would be pleased to do.

The final decision remains with you, but we trust that from these pages you will have gained some understanding why thousands of satisfied home-owners regard the Electrol Oil Burner as the perfect automatic heater—The Master Furnace Man.

ANSWERS TO SOME OF THE IMPORTANT QUESTIONS THAT HAVE BEEN ASKED ABOUT ELECTROL

1—*Q.* ***Would it be a practical investment for a man of moderate means to install an Electrol Oil Burner?***

A. Highly practical. An Electrol Oil Burner is a permanent investment in convenience, comfort, increased heating efficiency and in good health itself. As a permanent investment it ranks in the same class as any other important home facility. Also an Electrol adds another room to your home, thus increasing its value.

2—*Q.* ***Does it require any personal attention?***

A. None on the part of the owner. All Electrol dealers are well qualified to give Electrol burners the service they require for long life and high operating efficiency. Such service though infrequent is important and increases economy of operation.

3—*Q.* ***Does the Electrol have to be adjusted for mild or cold weather?***

A. No; this is automatically done by a thermostat to meet all conditions.

4—*Q.* ***Does it produce smoke, soot or odors?***

A. Just the opposite. In Electrol heated homes the floors, furniture, hangings and linen are entirely free from coal dust, drifting ash dust, and soot. The air is purer and free from gas fumes.

5—*Q.* ***Does it maintain an unfluctuating temperature in the home at all times?***

A. Absolutely; far beyond the possibilities of the coal-fired furnace.

6—*Q.* ***Is it quiet?***

A. Extremely.

7—*Q.* ***Does it require a special boiler or furnace?***

A. No.

8—*Q.* ***How does the cost of Electrol heating compare with the cost of heating by coal?***

A. Electrol Oil Burners give more heating hours and a more constant temperature more days in the year at approximately the same cost as coal.

9—*Q.* ***What kind of oil does it burn?***

A. Any grade of oil suitable to automatic operation. Different grades of oil are to be found in different communities, and the local Electrol dealer knows best which grade is the most suitable and economical for the Electrol burner.

10—*Q.* ***Is it passed by the National Board of Fire Underwriters?***

A. Yes; and by every state having fire prevention laws. Electrol heated homes pay no higher fire insurance rates than those heated by coal.

11—*Q.* ***What type of pilot light?***

A. Continuous electric ignition while in operation.

12—*Q.* ***Can it be used with either inside or outside tankage?***

A. Yes. It works equally well with either.

13—*Q.* ***Does it require auxiliary oil pumping equipment?***

A. No. One pump takes oil directly from the tank and delivers it to the nozzle.

14—*Q.* ***What changes are required in my present furnace?***

A. Only the removal of grates and ash pit door.

15—*Q.* ***Can same Electrol that heats the home and present boiler be used for summer and winter domestic hot water heating?***

A. Yes, in all but warm air plants.

16—*Q.* ***Is it entirely automatic?***

A. Yes.

17—*Q.* ***Has it floats, carburetors, needle valves or manual adjustments?***

A. No. Electrol principles eliminate all these.

18—*Q.* ***What safety devices has it?***

A. The famous Master Control, an exclusive Electrol feature, and an integral part of the burner itself.

19—*Q.* ***Are any parts of Electrol burner in the fire-box?***

A. No; every part is conveniently accessible.

20—*Q.* ***Has it many motive parts?***

A. Only one—and this directly driven by a low speed motor.

21—*Q.* ***Is the Electrol durable in service?***

A. There are no parts of an Electrol subject to heavy stress and no parts that are broken down in the process of operation. Given reasonable treatment an Electrol burner should give efficient service indefinitely.

22—*Q.* ***How long have Electrols been in use?***

A. More than ten years. Electrol was the pioneer all-electric oil burner in the industry and is supported today by thousands of successful installations in homes of all types and sizes.

23—*Q.* ***Can an Electrol be purchased on Budget plan, if desired?***

A. Yes, on a most acceptable plan.

Printed in U. S. A.